The dispersions are especially suited to use as conditioners in hair INDEPENDENT CLAIMS are also included for (i) production of solution) and triallylamine (0.6 g) to a homogeneous solution of water the dispersions; and (ii) aqueous solutions obtained by dilution of the An aqueous dispersion of solids content 39.9 wt.% and viscosity DE 10261197-A+ As a thickener or conditioner or in increasing the viscosity of a 650 mPas was obtained by (i) adding N-vinylformamide (180 g), N-vinyl-2- methylimidazolium methyl sulfate (44.4g; 45% aqueous cosmetics such as shampoos, having a high solids content and low preparation by adding the aqueous dispersion and (especially >2 viscosity and giving good properties such as combability. wt.%) water and in cosmetics (claimed) dispersions with water. A(12-V4) D(8-B) <u>ADVANTAGE</u> EXAMPLE USE High solids, low viscosity aqueous dispersions especially for use in *DE 10261197-A1 cosmetics contain a polymer of an N-vinyl monomer, together with BADI 2002.12.20 CHRISSTOFFELS L, HOESSEL P, LEDUC M, WOOD C, ANGEL M, MATHAUER K Aqueous dispersions are new when produced from the following 2002.12.20 2002-1061197(+2002DE-1061197) (2004.07.08) C08L polymeric dispersing and precipitation agents and a crosslinker ingredients with the wt. ratio (B): (C) being 1:0.02-50: A96 D21 (A11 A14 A25) (d) a crosslinker; and optionally also (c) a polymeric precipitation agent; DETAILED DESCRIPTION (b) a polymeric dispersant; (a) an N- vinyl monomer; 39/00, A61K 7/00, 7/06 (e) further monomers; (f) a regulator; and/or C2004-193743 2004-526591/51 Addnl. Data: (g) a buffer. NOVELTY **BASF AG**

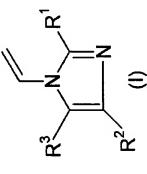
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(575.7 g), sodium dihydrogenphosphate dihydrate (2 g), polyvinyl pyrrolidone (6 g; K value 90), polyvinyl pyrrolidone (10 g; K value 17), and polyethyleneglycol (180 g; molecular weight 1500) and setting the pH to 6.75 with 25% caustic soda; (ii) adding Wako V50 (RTM: 2.2² - azobis-2-(aminopropane)dihydrochloride) (1 g) and polymerizing for 4 hours at 55°C; and (iv) adding further Wako V50 (RTM) (0.24 g) and polymerizing for 2 hours at 65°C.

TECHNOLOGY FOCUS

Polymers - Claimed Preparation: Involves reacting (A) - (D) and optionally also (E) and (G) in presence of regulator (F) with the (B): (C) ratio being 1: 0.02-50. Preferred Composition: The wt. ratio (B): (C) is 1: 0.05-20 and the weight ratio ((B) + (C): other monomers is 10: 1-1: 0.1. The obtained dispersion is optionally hydrolyzed, especially to an amine content in the polymer of below 20 mol.% based on monomer (A). Preferred Materials: Monomer (A) is an N-vinylamide or N-vinyllactam, while dispersant (B) is polyvinyl accetate, polyalkylene (especially polyethylene) glycol, polyvinyl alcohol, polyvinyl succinimide and polydiallyldimethylammonium chloride, polyvinyl pyrrolidone (PVP), polymers containing ≥5 wt.% vinyl pyrrolidone (VP) units, polymers containing ≥50 wt.% vinyl alcohol

units, optionally chemically-modified oligo- or poly-saccharides (especially carboxymethylcellulose), oxidatively-, hydrolytically-or enzymatically-degraded polysaccharides, water-soluble starch or derivatives, starch esters, starch xanthogenates, starch acetates and/or dextran, especially PVP and/or polymers containing >5 wt.% VP units. Precipitation agent (C) is a water-soluble polyether-containing compound, especially of formula (I) and, in particular, polyethyleneglycol of molecular weight 300-100000, especially 1000-10000



R¹ = H, 1-24C alkyl, R⁶-CO-, R⁶-NHCO- or polyalcohol residue;

DE 10261197-A+/1

